TECTUM INC.
The Noise Control Solution

TECTUM Acoustical Walls

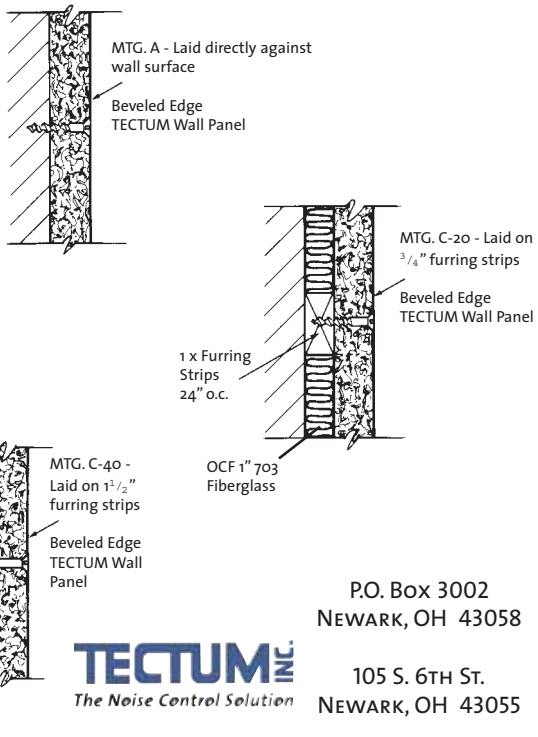
Tectum Interior Wall Panels offer an effective, permanent and attractive solution for any kind of activity that produces undesirable noise levels within an enclosed space. They are abuse resistant and are able to withstand the impact of thrown or kicked balls in gyms, yet are lightweight.

Tectum acoustical wall panels are easy to install in new construction and in existing buildings for effective sound control. Up to 1.00 NRC can be achieved. Furring strips installed horizontally (when using vertical panels) are recommended and should be a maximum of 24" o.c. when using 1" thick panels.

SIZES, FINISHES

Tectum Interior Wall Panels are available 1", $1^1/_2$" and 2" thick in widths of $23^3/_4$", $31^3/_4$" and $47^3/_4$" with long edges beveled. $1^1/_2$" and 2" panels are also available with T&G edges in widths of 23", 31" and 47" for interlocking continuous paneling.

4' to 12' lengths are available in 1' increments. Tectum Interior Wall Panels are available in natural, painted white or custom colors and can easily be field painted without losing their acoustical efficiency.



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TECTUM ACOUSTICAL PERFORMANCE

TECTUM CEILING TILE

SOUND ABSORPTION COEFFICIENTS

Panel Type	125	250	500	1000	2000	4000	NRC	Mounting
1”	.06	.13	.24	.45	.82	.64	.40	A
1”	.07	.15	.36	.65	.71	.81	.45	D-20
1”	.16	.43	1.00	1.05	.79	.98	.80	C-20
1”	.32	.70	1.09	.93	.76	.94	.85	C-40
1 1/2”	.07	.22	.48	.82	.64	.96	.55	A
1 1/2”	.15	.26	.62	.83	.70	.91	.60	D-20
1 1/2”	.24	.57	1.17	.87	.93	.87	.90	C-20
1 1/2”	.40	.84	1.18	.84	.94	.88	.95	C-40
2”	.15	.26	.62	.94	.62	.92	.60	A
2”	.15	.36	.74	.82	.82	.92	.70	D-20
2”	.24	.67	1.14	.87	1.06	.96	.95	C-20
2”	.42	.89	1.19	.85	1.08	.94	1.00	C-40

TECTUM PRODUCT

Panel Type	Nominal Thickness (inches)	Actual Size (inches)	Edge Detail	Factory Finish	Light Reflectance	Flame Spread	Weight LBS/SF		
							1”	1 1/2”	2”
Standard Tectum Tile	1, 1 1/2, 2	23 3/4, 31 3/4, 47 3/4 x 72 to 144 in 12” increments	Long Edges Beveled	White, Natural, Custom Colors	.75 / .60	0-25	1.63	2.53	3.3
	1 1/2, 2	23, 31, 47 x 72 to 144 in 12” increments	T&G Edges Square Ends	White, Natural, Custom Colors	.75 / .60	0-25		2.53	3.3
Kerfed	1	23 3/4 x 48 to 144 in 12” increments	BKR, Bevel, Kerfed, Rabbeted Square Ends	White, Natural, Custom Colors	.75 / .60	0-25	1.63		
V-line	1, 1 1/2, 2	23 3/4, 31 3/4, 47 3/4 x 72 to 144 in 12” increments	Long Edges Beveled	White, Natural, Custom Colors	.75 / .60	0-25	1.63	2.53	3.3

ENVIRONMENTAL STATEMENT

Tectum panels are made from sustainable domestic, renewable raw materials. The wood excelsior is harvested from new forest growth that reaches maturity in 25-30 years. Tectum Inc. only purchases excelsior from companies that are part of the Sustainable Forestry Initiatives (SFI) Program. This program is a comprehensive system of objectives and performance measures that integrates the perpetual growing and harvesting of trees with the protection of wildlife, plants, soil, and water quality.

The primary source of magnesium oxide used in the binder is seawater. The silicate used is made from sand. Tectum Inc. recovers waste magnesium and recycles water during the manufacturing process. The recovered magnesium waste is used in the manufacturing of magnesium sulfate, a primary ingredient in the binder.

These recovery programs have been successful in reducing the water consumed and in reducing the magnesium requirement for the manufacture of magnesium sulfate. Tectum products continue to meet the needs of owners, architects, and engineers that require “green” building products.

TECTUM PRODUCTS AND LEED

The Leadership in Energy and Environmental Design (LEED*) Green Building Rating System represents the U.S. Green Building Council's effort to provide a national standard for what constitutes a "green building." Through its use as a design guideline and third-party certification tool, it aims to improve occupant well-being, environmental performance and economic returns of buildings using established and innovative practices, standards and technologies.

The LEED building rating system has been established to evaluate every aspect of the construction process and building components used in new existing buildings. While the main emphasis is on energy efficiency, conservation and the overall "health" of the building, the use of "green" products contributes favorably to the overall rating of a building.

Six rating categories make up the project checklist. Four of the six categories are not applicable to Tectum products. Categories four and five, Materials and Resources and Indoor Environmental Quality, consist of 10 elements applicable to the use of Tectum products. Tectum products contribute favorably in all ten areas to the overall positive rating of the building. For more information, see Marketing Bulletin M-81, available on our website.

Tectum is proud to have its products listed in the GreenSpec Directory** published by Building Green from the editors of Environmental Building News.

Tectum™ roof deck is noted on page 69, section 3511 and Tectum™ interior products are listed on page 230, section 9512.

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